

GOVERNMENT OF ANDHRA PRADESH  
ABTRACT

Irrigation & Command Area Development – Constitution of Expert Committee for approval of Maximum Discharge Estimates and fixation of Maximum Flood Level (MFL) of Musi River – Orders - Issued.

---

IRRIGATION & COMMAND AREA DEVELOPMENT (GRC) DEPARTMENT

G.O.Ms.No. 61

Dated:01.05.2012  
Read the following:-

- Ref: - 1. From the District Collector, Hyderabad Lr.No. E5/32/2011 dt.14.02.2011.  
2. Minutes of the meeting held on 29.06.2011 by the Hon'ble Minister for M (MA & UD).  
3. Govt., Memo No.9948/F2/2011-3, MA & UD department, Dated: 30.06.2011.
- 

ORDER:

In the reference 1<sup>st</sup> read above, the District Collector, Hyderabad vide letter No.E5/32/2011, dated 14.02.2011, has requested this department to fix and demarcate the Maximum Flood Level (MFL) of Musi River, to enable him to protect , and where necessary to retrieve river bed lands, in the interest of River Conservation.

2. The ENC - I, vide Government Memo dated 24.03.2011 was asked to get the MFL points of Musi River marked, with assistance of the SE Hyderabad Lake Circle. The SE, Hyderabad Lake Circle, Vide Lr.No. TS/T3/Musi/413 dated 27.04.2011, addressed to the ENC – I, informed that his office does not have the flow levels and hydraulic particulars of Musi River.

3. The issue was raised in the Legislative Assembly. The Government gave an assurance that the M (MA & UD) will convene a meeting with all stakeholders to finalise a plan of action for protection of Musi River. Accordingly, the Honorable M (MA & UD) held meeting on 29.06.2011 regarding protection of Musi River from Land Grabbers and formation of Committee for removal of encroachments. The following five pronged approach was adopted for protection and development of Musi River front.

- A. Marking out of the boundaries of Musi River based on Maximum Flood Level (MFL) and the formal notification of these boundaries.
- B. Identification of private patta Lands within the MFL and acquisition of the same.
- C. Identification of encroachment structures within the Musi River (MFL) and action to remove and resettle them.
- D. Construction of retaining wall all along with MFL boundary to Permanently protect Musi River.
- E. Protection of Musi River from further encroachments in the meantime.

4. In the reference 3<sup>rd</sup> read above, the M (MA & UD) also instructed the ENC –I to initiate action for demarcation of MFL boundaries of Musi River, with preferably GIS mapping. Consultant, if required, may be hired to complete the process before August 2011. The GHMC appointed M/s CIST Infrastructure Ltd, 27-12-37B, Alibagh Street, Governorpet, Vijayawada, as the Consultant for Musi River Basin Study including fixing

of MFL. In the meanwhile, the High Court of A.P took cognisance of adverse news reports about continuing encroachments into Musi River.

5. The High Court have directed the Commissioner, GHMC and District Collector, to submit a report and action plan to remove existing encroachments and prevent further encroachments.

6 The Principal Secretary (I), I & CAD Department conducted meeting on 21.02.2012. The Commissioner, GHMC, District Collector, Hyderabad, Chief General Manager and General Manager of Metro Water Board, attended meeting, seeking expeditious action regarding fixation of Maximum Flood Level of Musi River. The ENC(I) and Principal Secretary (AD) were present for part of the meeting. The Commissioner, GHMC and District Collector, Hyderabad requested that I & CAD should expeditiously fix the Musi MFL.

7. The CGM & GM of Metro Water Board informed that historical data on flows across surplus weirs of Osman Sagar and Himayat Sagar are available with them. This data along supplemented by estimate of down stream run – off at different chainages of Musi river can help arrive at Maximum Flood Level. The Collector, Hyderabad and Commissioner GHMC informed that the consultant, i.e. M/s CIST Infrastructure Ltd, has completed the Musi River Basin Study and has the required technical inputs for determination of the MFL. A technical Expert Team of the I & CAD Department should review their report, consider historical data on surplus from Osman Sagar and Himayat Sagar and indicate the Musi MFL.

8 The ENC- I informed that, the first step towards identification of Musi MFL is to agree on the Maximum Flood Discharge (MFD) at various points of the Musi River. This data can then be used by irrigation Engineers to fix the MFL at respective intervals by taking into consideration the local section of the river and the available width. The Consultants are reported to have gathered data on Musi River sections at various points. Hence, the key priority for the present is to constitute a technical committee to review historical data on Osman Sagar and Himayat Sagar surplus discharges and the additional down stream inflows into Musi at various chainages and fix the MFD for respective stretches of the river.

9 All Officers present agreed on the following composition of the Expert Committee for approval of Maximum Discharge Estimates and fixation of Maximum Flood Level (MFL) of Musi River.

Sl.No	Description	Role
1.	ENC – I, I & CAD Dept.	Chair Person
2.	ENC – GHMC	Member
3.	ENC – Metro Water Board.	Member
4.	Dy.Director Survey & Land Records, Hyderabad.	Member
5.	SE, Hyderabad Lake Circle	Member Convener

10 Government, after careful consideration of the matter, hereby constitutes the Musi River MFL Fixation Committee with the following composition.

Sl.No	Description	Role
1.	ENC – I, I & CAD Dept.	Chair Person
2.	ENC – GHMC	Member
3.	ENC – Metro Water Board.	Member
4.	Dy.Director Survey & Land Records, Hyderabad.	Member
5.	SE, Hyderabad Lake Circle	Member Convener

The terms of reference for the committee are as follows:

- A. Review historical data on surplus discharges from Osman Sagar, Himayat Sagar, rain fall in downstream catchment areas and other inflows into Musi River.
- B. Fix the Maximum Flood Discharge of Musi River, for various stretches of the river, within the Hyderabad Metropolitan area, taking in to consideration the inflow estimates, and acceptable risk criteria.
- C. Review the Musi River Profile, Revenue and Town Survey data and reports of the Consultant.
- D. Fix the Maximum Flood Level of Musi River for various stretches within the Hyderabad Metropolitan area, based on the MFD estimate and river profile reviews mentioned above.
- E. Guide the GHMC Engineering Department for demarcation of the MFL on the ground. Without prejudice to the general supervision of the demarcation work, the Committee should in Particular, (a) Approve a standard system of sign posting, to indicate the Musi MFL, (b) Satisfy themselves about the choice of Permanent structures on which the demarcations are made, and (c) A clearly stated and reproducible permanent record of the MFL demarcations, to facilitate re-fixation of the MFL in future, in the event of loss of all or any of the mark on the ground.
- F. The Committee should finalize its report within 3 months from the date of constitution.

11 The ENC – I, I & CAD Department, Hyderabad shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

Dr. PRASANTA MAHAPATRA  
PRINCIPAL SECRETARY TO GOVERNMENT

To  
The ENC – I, I & CAD Department, Hyderabad.  
The ENC, GHMC, Hyderabad.  
The ENC, Metro Water Board, Hyderabad.  
The Dy. Director Survey & Land Records, Hyderabad.  
The SE, Hyderabad Lake Circle, Hyderabad.

Copy to  
The O.S.D to Hon'ble Minister for Major & Medium Irrigation.  
The O.S.D to Hon'ble Minister for MA & UD.  
The P.S to Principal Secretary to Government (I), I & CAD Department.  
The P.S to Principal Secretary to Government (AD), I & CAD Department.  
The P.S to Principal Secretary to Government, MA & UD Department.  
The Collector & Magistrate, Hyderabad District.

// Forwarded by Order //

SECTION OFFICER